

Storm Data and Unusual Weather Phenomena

Location	Date	Time	Path	Path	Number of		Estimated	Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Damage Crops	
		July 1998						
<u>New Mexico Southeast</u>								
Eddy County Malaga	05	1800MST			0	0	0.50K	Thunderstorm Wind
		Several trees were uprooted along Duarte Road in Malaga.						
Eddy County Otis	05	1800MST			0	0	8K	Thunderstorm Wind
		Two barns and a carport were destroyed and three utility poles were downed near Otis.						
Eddy County 3 E Malaga	05	1810MST 1830MST			0	0	10K	Thunderstorm Wind
		A wet microburst caused damage along Duarte Rd. east of Malaga. A mobile home lost its roof, two pole barns were destroyed, and a carport was heavily damaged.						
Eddy County Otis	05	1810MST			0	0	2.5K	Thunderstorm Wind
		A wet microburst knocked down 3 utility poles along U.S. Highway 285 in Otis.						
Eddy County (Cnm)Carlsbad Arpt	14	1730MST			0	0		Thunderstorm Wind (G54)
		The Cavern City Airport Observer reported a thunderstorm wind from 300 degrees at 54 knots.						
NMZ027>029		Guadalupe Mountains Of Eddy County - Eddy County Plains - Lea						
	01	0000MST			0	0		Drought
	31	2359MST						
		Drought conditions continued in Southwest Texas and Southeast New Mexico. Agricultural losses will be great but will not be included until the end of the drought or the end of the harvest when totals are calculated. Rains were a little more plentiful in July than in the April through June period, but not nearly enough for the drought conditions to be eased.						

Texas West

Pecos County 2 NW Ft Stockton	06	1605CST			0	0	70K		Thunderstorm Wind (G74)
		A wet microburst hit the northwest side of Fort Stockton with damaging winds and blinding rains. Damage was scattered but locally impressive. The storm was moving from about 190 degrees with its first damage being apparently on the apex of the outflow. A strongly divergent pattern to the damage was noted with winds from 185 degrees on the west end versus 95 degrees on the east end. The damage path was approximately 3/4 mile wide.							
		The apex of the outflow hit the La Quinta Hotel at the intersection of I-10 and U.S. 285. A large part of the roof was taken off the hotel. The roof was on the second story of the structure and was oriented such that it caught the wind along this apex. The section of roof covered 13 rooms on the second floor and was both a cover for the walkway and roof for the rooms. The roof section broke loose, went over the building and crashed into the parking lot on the other side. The roof section was moving fast enough to force itself under the rear tires of a vehicle and under a storage shed.							
		To the east, other damage included a storage shed behind a car dealership that was broken loose from tie-down straps. The building was torn apart as it crossed a field with the roof catching in utility lines. A mobile home was rolled off its trailer at a Truck Stop.							
		The main structure on a small lumber yard was destroyed by the winds as it took the corrugated metal roof off and pushed in an outside wall. Behind the lumberyard, much of a roof of storage building was torn off and trees were downed.							
		The last damage on the extreme east side of the path was part of a convenience store roof that broke loose and struck the convenience store next door. The second store suffered large dents in its metal wall.							
		A survey of the damage site was performed and an estimate of 85 mph winds was estimated at the La Quinta with 65 mph winds on the extreme east side of the damage.							

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Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		July 1998 Character of Storm
				Killed	Injured	Property	Crops	
Dawson County 6 NW Lamesa	12	1515CST		0	0		80K	Hail (1.25) A hailstorm hit a cotton field and destroyed over 300 acres of the crop.
Dawson County 6 NW Lamesa	12	1520CST		0	0	10K		Thunderstorm Wind The same storm that hailed on the cotton took the roof off a barn and knocked down 6 utility poles.
Scurry County 3 NW Snyder	12	1700CST		0	0	10K		Thunderstorm Wind Winds from a downbursting thunderstorm took a large metal roof off a barn and also ripped the roof off a mobile home.
Pecos County 11 W Ft Stockton	13	2211CST 2225CST		0	0	10K		Thunderstorm Wind Colliding outflow boundaries initiated explosive multicellular thunderstorm development near the intersection of U.S. Highway 285 and FM 1776. The storms moved to the south-southwest near the Firestone Test Track where 5 utility poles were knocked down. When the storm reached I-10, 15 highway signs were blown down including one large "exit" sign that lost 7 panels.
Pecos County 34 SW Ft Stockton	13	2330CST		0	0	0.50K		Thunderstorm Wind This same storm moved to the southwest along Highway 67 where a highway sign was blown down 20 miles south of the I-10 interchange.
Culberson County 5 NW Pine Spgs	13	1430MST		0	0			Hail (0.75) A multicell storm developed in the Guadalupe Mountains and caused dime size hail in the vicinity of "The Bowl". Fire fighters attempting to complete a controlled burn were pelted by the hail.
Andrews County Andrews	16	1530CST		0	0			Hail (0.75) A multicell storm produced dime size hail in Andrews.
Andrews County Andrews	16	1530CST		0	0	1K		Thunderstorm Wind The storm that dropped the hail in Andrews also caused scattered light wind damage across town.
Mitchell County 8 NE Colorado City	16	2000CST		0	0	6K		Thunderstorm Wind High winds downed 10 to 12 power poles. Scattered thunderstorms produced a series of microbursts across West Central Texas during the evening of the 16th.
Brewster County 17 SW Marathon	20	1920CST		0	0	5K		Thunderstorm Wind (G85) Three utility poles were knocked down by thunderstorm outflow winds. Power company officials estimated the wind to have been near 100 mph since the poles were a higher grade than most utility poles. Power was knocked out to customers over a vast area in parts of Brewster County.
Midland County (Maf) Midland Intl	21	1737CST		0	0	11K		Thunderstorm Wind (G51) A downburst from a multicell thunderstorm had a measured gust of 59 mph on the KMAF ASOS. Also, wind damage occurred to a metal storage building on the grounds of the airport and 12 utility poles were knocked down in the vicinity of the airport.
Midland County 6 SW (Maf) Midland Intl	21	1750CST		0	0	10K		Thunderstorm Wind The storm complex that caused the strong winds at the airport moved slowly to the west and another downburst uprooted gas pumps and the attached canopy at a convenience store
Ector County Goldsmith	21	1835CST		0	0	3K		Thunderstorm Wind Thunderstorm downburst winds knocked down several utility poles in Goldsmith. A tropical upper level low pressure center was moving westward near the Sanderson area. Water Vapor imagery showed the low and a large shield of lift and moisture moving into the region. At max heating, the temperature at KMAF was 100 degrees with a dew point of 57 degrees. A modified 12Z sounding indicated 2200 J/kg of CAPE and Precipitable water of 1.53". Low level winds were mostly over 20 kt on the 00Z sounding, but were very weak aloft. The 00Z sounding thermodynamic readings were tainted by thunderstorms at or near the station.

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Location							
TXZ045>048-50>52 057>063-067>070 074>075-079>082							
	01 0000CST 31 2359CST			0	0	Drought	
<p>Drought conditions continued in Southwest Texas and Southeast New Mexico. Agricultural losses will be great but will not be included until the end of the drought or the end of the harvest when totals are calculated. Rains were a little more plentiful in July than in the April through June period, but not nearly enough for the drought conditions to be eased. Some locations in the southwest Mountains received over 3 inches of rain during July, but for most of the area less than an inch fell for the month.</p>							